

# Newcastle-under-Lyme Borough Level 1 Strategic Flood Risk Assessment

## **Authority Information**

Newcastle-under-Lyme boundary

#### Watercourses

- Main Rivers
- All watercourses
- 8m watercourse buffer
- Canals

#### <u>Defences</u>

- Embankment
- Engineered High Ground
- Natural High Ground
- —Spillway

#### Flood Zones (Fluvial)

- Flood Zone 3b
- Indicative Flood Zone 3b
- Flood Zone 3a
- Flood Zone 2

#### Climate Change Extent (Modelled)

- 3.3% AEP + 29% CC
- 3.3% AEP + 39% CC
- 3.3% AEP + 61% CC
- 1% AEP + 29/30% CC
- 1% AEP + 39% CC
- 1% AEP + 61% CC
- 0.1% AEP + 29% CC
- 0.1% AEP + 39% CC
  - 0.1% AEP + 61% CC

#### Reservoir Flood Extents (EA)

- Dry Day
- Wet Day

## Risk of Flood from Rivers and Sea (EA)

- High
- Low Medium Wery Low
- Reduction in Risk of Flooding from Rivers and Sea

#### Risk of Flooding From Surface Water (EA)

- 3.3% AEP
- 1% AEP
- 0.1% AEP

# Surface Water Climate Change Extent (Modelled)

- 3.3% AEP Upper End 2070s CC
- 1% AEP Upper End 2070s CC

## Groundwater Emergence Mapping (JBA)

- Less than 0.025m below surface
- Between 0.025- 0.5m below surface
- Between 0.5-5m below surface
- At least 5m below surface
- No risk.

## Groundwater Flooding Susceptibility (EA)

- < 25%
  - >= 25% <50%
- **Solution** >= 50% <75%
- >= 75%

#### Water Company Boundaries

- Severn Trent Water
- United Utilities

## EA Flood Alert and Warning Areas

- Flood Warning Areas
- Flood Alert Areas